

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-90. **(Canceled)**.

91. **(Original)** A method for metabolomically facilitating the diagnosis of a disease state of a subject, comprising:

obtaining a small molecule profile from a subject suspected of having and/or having a disease state; and

comparing the small molecule profile from the subject to a standard small molecule profile, thereby diagnosing the disease state.

92. **(Original)** A method for metabolomically predicting whether a subject is predisposed to having a disease state, comprising:

obtaining a small molecule profile from the subject; and

comparing the small molecule profile from the subject to a standard small molecule profile, thereby predicting whether a subject is predisposed to having a disease state.

93. **(Original)** A method for metabolomically predicting a subject's response to a therapeutic agent, comprising:

obtaining a small molecule profile from the subject;

comparing the small molecule profile of the subject to a known standard established for the therapeutic agent as an indication of whether the subject would benefit from treatment with the therapeutic agent, thereby predicting a subject's response to said therapeutic agent.

94. **(Canceled)**

95. **(Currently Amended)** The method of any one of claims 91-94 93, wherein said subject is a human.

96. **(Currently Amended)** The method of any one of claims 91-94 93, wherein said subject is suffering or suspected of suffering from a disease state.

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97. **(Currently Amended)** The method of any one of claims 91-~~94~~ 93, wherein said subject is suffering from an immunological, neurological, metabolic, oncological, viral, or a cardiovascular disorder.

98-139. **(Canceled)**